

4529 W. Park Place Glendale, AZ 85306-1512







Arizona Desert Aire Waves

Vol 44, No 8

August 2019

CLUB MEETING SCHEDULE

SARC

Aug 7th Scottsdale Senior Center 7:00 PM

OPRC

Sep 11th Marshall Conference Ctr at Tucson Medical Ctr 7:15 PM

CADXA

Aug 1st PERA Club 7:00 PM **AARC**

Aug 8th Red Cross Bldg. - Phx 7:00 PM

TBARC

Aug 15th North Phoenix Campus Northern Arizona University 7:00 PM

ARA

Aug 22nd Denny's Restaurant - Tempe 7:30 PM **ARCCC**

TBD American Red Cross Bldg Phoenix 9:00 AM

SuperstitionARC

Aug 20th
Charles K Luster Bldg
7:00 PM

MARCA

Aug 20th Denny's Restaurant - Tempe 6:30 PM

ANSR

Aug 15th via GoToMeeting 7:30 PM

OVARC

Aug 16th Ascension Luthern Church 7:00 PM WVARC

Aug 5th Shephard of the Desert Luthern Church 7:00 PM

YARC

Aug 1st Prescott Rodeo Grounds 7:00 PM

MARA

Aug 3rd Copper Sky Substation 9:00 AM

KARC

Aug 13th
Solterra at White Mtn - Show Low
7:00 PM

CARL

TBD
Arizona Science Center
Call for Time

QCWA-AZ Chapter

Aug 21st/Aug 13th/TBD Phoenix/Prescott/Tucson 9:30AM/10:30AM/TBA

ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURS-DAY** of each month at 7:00 p.m. at the American Red Cross Building at 4747 N 22nd St. in Phoenix. Visit web site at www.W7IO.org for map. Visitors are welcome.

President	Gary Hamman	K7GH	602.996.8148
Vice President	Mark Kesauer	N7KKQ	602.843.0960
Secretary	Reinhard Geissler	r K7RGG	
Treasurer	Bob Hodges	K7JJT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	602.955.7517
Membership	Bob Hodges	K7JJT	602.375.9982

AARC c/o Bob Hodges, K7JJT, 15214 N 7th Place, Phoenix, AZ 85022. DUES: \$15.00/YR, Prorated (\$18.00 Family,\$9.00 Student), MEMBERSHIP YEAR BEGINS FEB. 1.

SCOTTSDALE AMATEUR RADIO CLUB, INC.

The Scottsdale Amateur Radio Club meets the **FIRST WEDNESDAY** of each month at 7:00 p.m. in Room 8 at the new Scottsdale Senior Center located at 1700 N Granite Reef Road (west side of Granite Reef Rd., 50 yards north of McDowell Rd. Parking on site). The club also holds a net <u>every Tuesday night</u> at 7:00 p.m. on the 147.78/.18 repeater.

President	James Wasson	N7ELL	480.456.1154
Vice President	David Yee	N7AJR	
Secretary			
Treasurer	Ed Nickerson	WU7S	480.949.5162
Past President	Paul Finell	W7EFQ	602.741.6563
Board Members	Irv Hembeck	K0OTZ	
At-Large	David Yee	N7AJR	
_	Bill Kouchis	N9EIV	
	Ray Vasquez	K4RMV	(ARCA Rep)
	Bruce Harmsen	KA9EYX	
	Chris Tabor	K7TAB	

SARC, P. O. Box 10878, Scottsdale, AZ 85271-0878. Phone: 602.735.3988. DUES: \$20.00/YR, (\$10.00/Add'l Family Member). Web Site: www.scottsdalearc.org

ARIZONA NEAR SPACE RESEARCH

The Arizona Near Space Research group meets the **THIRD THURS-DAY** of the month at 7:30 p.m. via GoToMeeting. Technical meetings are held the first Monday of the month at 7:30 p.m. on GoToMeeting. Please contact an officer about joining our meetings.

Pres	iden	t	Step	hen	Tho	mas	KE7TLS	iamgadget1@yahoo.com
T 7.	D		α 1			1	TTTCOTO	

Vice President Clayton Jacobs, KJ6QJS
Secretary Steve Miller, W6SDM
Treasurer Bill McLean, K7WWM bmcleanl@gmail.com

ANSR, PO Box 31003, Mesa, AZ 85275-1003. DUES: \$10.00/YR. Web Site: www.ansr.org

THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURS-DAY** of each month at 7:00 p.m. at North Phoenix Campus of Northern Arizona University located at 15451 N. 28th Avenue (near I-17 and West Greenway Road). The meeting is held in room 147. See the website (http://w7tbc.org) for a map and more details.

President	Brian McCarthy	AK7F	president@w7tbc.org
Vice President	Darrell Bradshaw		vicepresident@w7tbc.org
Secretary	Gary Larson		secretary@w7tbc.org
Treasurer	Bob Townsend		treasurer@w7tbc.org
Board Members	Clair Wyant	KG7MAJ	kg7maj@w7tbc.org
	Kenneth Charleto	on K4FZH	k4fzh@w7tbc.org
	Nick Holaday	KI7HZQ	ki7hzq@w7tbc.org
	Andrew Cornwal	KF7CCC	kf7ccc@w7tbc.org
Past President	Gary Duffield	WK7B	wk7b@w7tbc.org

For further information about the ThunderBird Amateur Radio Club, visit our website at http://w7tbc.org, send an e-mail to: info@w7tbc.org or call 602.938.8219. The Thunderbird Amateur Radio Club is a 501(c)(3) non-profit organization. Mailing address: PO Box 32544, Phoenix, AZ 85064-2544.

OLD PUEBLO RADIO CLUB

The Old Pueblo Radio Club meets the **SECOND WEDNESDAY** of March, June, September and December at 7:15 p.m. in the Marshall Conference Center at Tucson Medical Center. Visitors are welcome.

President	Ron Kalish	N7SPW	520.207.3852
Vice President &	ž		
Treasurer	George Devich	N9IUK	520.760.0125
Board of Directo	ors: Jim Ulmer	KC7THU	
	Lin Donnelly	KF7CNR	
WebMaster			
Trustees: (146	.66- Repeater's Call	lis W7GV)	
Primary	Ron Kalish	N7SPW	146.660-
	Paul VanBeverh	oudt KA7LFX	224.06+
Secondary	Paul VanBeverho	oudt KA7LFX	224.06+

Mailing address: OPRC, P.O. Box 42601, Tucson, AZ 85733-2601. DUES: Individual - \$20.00/YR, Family - \$30.00/YR.

AZ RED CROSS COMMUNICATIONS CLUB

The Arizona Red Cross Communications Club meets at the Red Cross Building located at 4747 N 22nd Street in Phoenix. The group meets at emergency drills and at the call of the officers.

President	Peter Petrotta	KD70IW
Vice President	Charlie Zurenko	N2TFS
Secretary	Rob Rodriquez	KI7PDR
Treasurer	Mark Steele	KI7RB
Past President	Frank Engstrom	KB7IQ

Arizona Red Cross Communications Club - K7ARC, 4747 N 22nd Street, Phoenix, AZ 85016.



623.334.2583

President

BARRY M GOLDWATER, ARIZONA CHAPTER **QUARTER CENTURY WIRELESS ASSOCIATION**

The Barry M Goldwater Arizona Chapter of the QCWA includes amateurs from all over Arizona. Monthly meetings are held in various parts of Arizona. The schedule is as follows:

Phoenix - Third Wednesday of each month at 9:30 a.m. at Iron Works Food and Spirits, 17233 N 45th Avenue in Glendale, 602.843.0909. Contact John Marshall at wa7bsr@gmail.com

Prescott - Second Tuesday of each month at 10:30 a.m. at Golden Corral, 1901 E AZ-69 in Prescott. 982.776.1664. Contact Don Broadston. **Tucson** - Seeking volunteer to set up monthly meetings in Tucson.

The AZ Chapter meets on the air evev Sunday morning at 0700 MST (0730 during December and January) on 3890 +/- QRM. During December and January, the net time is moved to 0730 MST.

President	John Marshall	WA7BSR	623.334.2583
Vice President			
Secretary			
Treasurer	Dave Hanson	W7BJw7bj	@outlook.com

WA7BSR

Web Site: http://azgcwa.org Email:azgcwa@gmail.com. *DUES:* \$7.00/year and current national QCWA membership.

John Marshall

MINGUS MOUNTAIN REPEATER GROUP

Webmaster

Meetings are held twice a year, an annual board meeting in Phoenix and a picnic meeting in Chino Valley. Dates, times, and locations are announced in the newsletter.

President	Bob Sitterley	K7POF	928.636.2146
Vice President	Ray Tyrrell	N6MY n6my	73@gmail.com
Treasurer	Bob Sitterley	K7POF	928.636.2146
Secretary	Lori Cripps	WA7EDI	602.955.7517
Board Members:	Phil Hazlett	WA7UID	
	Sonja Hazlett	WB7CWW	
	Peggy Williams	KD7AWU	
	Jerry Roberts	KB7CN	
	Gary Hamman	K7GH	
	Ken Rasback	KK7KEN	

Web Site: http://www.k7mrg.org. DUES: \$20.00 per year, due prior to July 1. MEMBERSHIP YEAR - July 1 - June 30.

KACHINA AMATEUR RADIO CLUB

The Kachina Amateur Radio Club meets the SECOND TUESDAY of each month at 6:30 p.m. at the Solterra at White Mountains, 5408 W White Mountain Blvd in Show Low.

President	Tim McFadden	K7DXA	
Vice President	Steve Herron	AG7GD	928.242.2558
Secretary	Marie Mortenser	n N7SKS	
Treasurer	Dennis Wilkes	W7DRW	928.739.4700

Mailing Address: Kachina Amateur Radio Club, P O Box 2996, Show Low, AZ 85902. Email: info@kachinaarc.org Dues are \$15/ yr for individual; \$25/yr for family. Membership is January 1 -December 31. Website: www.kachinaarc.org

ARIZONA REPEATER ASSOCIATION, INC

The Arizona Repeater Association general meeting is held the **FOURTH THURSDAY** of each month at 7:30 p.m. There are no meetings in July and December. The November meeting is held the Monday before Thanksgiving. Meetings are held at Denny's Restaurant, 825 S 48th Street, in Tempe, near SR143 and University Drive. Visitors are welcome. Come early for food and social time before the meeting starts. For further information about the ARA, including repeaters, site status, and the tech/board meeting, please visit our web site at www.w7ara.org.

Vice-President	Erv Heimbuck, K0OTZ	k0otz@w7ara.net
Treasurer	Cole Cunningham, AA	7RD aa7rd@w7ara.net
Secretary	JimHoff,N7XXX	n7xxx@w7ara.net
Board Members:		
Lance H	alle, KW7LH	kw7lh@w7ara.net
Dennis l	Bietry, KE7EJF	ke7eif@w7ara.net

Brian McCarthy, AK7F

Doug Pelley, WB7TUJ wb7tuj@w7ara.net Joe Godfrey, AE7JG ae7jg@w7ara.net Dennis Campbell, AE7WU ae7wu@w7ara.net Mike Montalvo, KF7MBK kf7mbk@w7ara.net Marty Dusenberry, KE7DGP ke7dgp@w7ara.net James Wasson, N7ELL n7el1@w7ara.net

ak7f@w7ara.net

For Membership Information, contact (Joe Godfrey, AE7JG membership@w7ara.net) Arizona Repeater Association, Inc, P. O. Box 35758, Phoenix, Arizona 85069-5758. To join or renew, please visit http://w7ara.org/mbr/Membership.aspx. DUES: \$18.00/yr. (Jan. 1 through Dec. 31) with a one-time initiation fee of \$10.00. Life and family memberships are available.

SUPERSTITION AMATEUR RADIO CLUB

The Superstition Amateur Radio Club meets at 7:00 p.m. on the **THIRD TUESDAY** of each month (except December) at the Charles K Luster Building, 640 N. Mesa Drive, Mesa (use the glass door on your left at the main entrance). Visitors are welcome. Board meetings are held at 6:30 p.m. on the second Tuesday of each month (except December) at Black Bear Diner, 1809 E. Baseline Road, Gilbert.

President	Steve Estes	KB7KWK	480.251.0551
Vice President	Andy Keels	KD4ABB	602.809.3561
Secretary	Brent Butler	W7FK	480.332.1141
Treasurer	Douglas Mitchell	W7ADD	480.540.4110
Board Members:	Tony Manzo	W7KLV	
	Dan Karnes	W7TWR	602.502.5259
	Don Rollock	W2EULw2eu	ıl@yahoo.com
	Jeff Harris	K2DFE	602.617.6930
	Jeff Heinze	N7CCW	480.720.7908
	Jeff Marchesky	K7ZLX	602.628.0238
	RodFritz	WB9KMO	

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277. Web Site: SuperstitionARC.org and SuperstitionSuperFest.org. The Superstition Amateur Radio Club is a 501(c)(3) non-profit organization. For club information, please send email to: Communications@SuperstitionARC.org.



MARCA, Inc. / W7MOT

MARCA is an Arizona 501(c)(3) Non-Profit organization. The club call sign in W7MOT. Membership is open to all amateur radio enthusiasts. Meetings are held the **THIRD TUESDAY** of each month at 6:30 p.m. at Denny's Restaurant located at 825 S 48th Street in Tempe (SE corner of University & 48th Street). Monthly presentations cover a broad spectrum of interesting subjects. Vistors are welcome to attend. Come early for dinner and socializing. Repeater Problem Reports are encouraged. A Repeater Problem or Comment Reporting is available at http://www.w7mot.org/index.php/repeaters/report-a-repeater-problem. Site Managers and officers will take reports for any W7MOT repeater. Contacts are found on website. Club activities include providing voice, aprs, packet, DStar, and Fusion repeaters Central Arizona; ARRL Field Day, special interest groups in SDR, APRS, antennas, digital modes, and SBC applications.

President Vice President	Dave Hall Norm Johnson	N7ZPY AA7OO	480.278.2886
Treasurer	Don Aldridge	WA7RLL	
Board Member	David Yee	N7AJR	
Secretary	Open		
Trustee:	Norm Johnson	AA7OO	480.278.2886
Webmaster:	Norm Johnson	AA7OO	480.278.2886

MARCA, Inc., c/o Norm Johnson, 5756 S Wildrose, PO Box 85140, Mesa, Arizona 85212. Membership dues \$25 annually. See our website (http://w7mot.org) for more information about meeting schedules, membership, repeaters, library, and club activities.

CENTRAL ARIZONA DX ASSOCIATION

The Central Arizona DX Association meets the **FIRST THURSDAY** each month at 7:00 p.m. (except for January Awards Banquet) at the PERA Club, located at 1 E Continental Drive in Tempe. Visitors always welcome. See www.cadxa.org/meetings.html for a map. The May meeting is an outdoor barbecue at 6:00 p.m. (reservations required).

President	Larry Loen	WO7R	lwloen@gmail.com
Vice President	Tom Boza	NE7X	qrz-dx@ne7x.com
Secretary	Bob Davies	K7BHM	k7bhm@cox.net
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Past President	Lee Finkel	KY7M	ars-ky7m@gmail.com
Board Members	Fred Hoffert, III	NA2U	cwman1@aol.com
At-Large	Reinhard Geissle	r K7RGG	dl1uf@compuserve.com

CADXA, P.O. Box 24616, Tempe, AZ 85285-4646. Email: cadxa@cox.net. Dues are \$25 per year (\$12.50 per additional family member). For more information, DXing resources, and a membership application, visit our website: www.cadxa.org.



YAVAPAI AMATEUR RADIO CLUB

The Yavapai Amateur Radio Club meets the **FIRST THURSDAY** of every month at 7:00 PM in the Freeman Building at the Prescott Rodeo Grounds located at 840 Rodeo Drive in Prescott (visit web site at www.w7yrc.org for directions and map). YARC is an ARRL Special Service Club dedicated to public service and emergency preparedness. The club serves the quad cities area of Prescott, Prescott Valley, Chino Valley/Paulden, and Dewey/Humboldt.

President	BillNoe	W7PVA	president@w7yrc.org
Vice-President	Joe Thomas	KG6IDN	vice_president@w7yrc.org
Secretary	Art Jackson	KA5DWI	secretary@w7yrc.org
Treasurer	Jim Fortney	K6IYK	treasurer@w7yrc.org
Board Members	Kathy Laing	KJ6KMK	kj6kmk.yarc@gmail.com
	Sandy Meadowcroft	KF4JHC	sandymeado2@yahoo.com
	Ray Kolman	KI7COM :	spudzman@gmail.com
	Dave Erlach	W7VSX	rocketdog@dslextreme.com

Yavapai Amateur Radio Club, P O Box 11994, Prescott, AZ 86304-1994. DUES: \$20.00/yr. Visit the website at www.w7yrc.org

ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at Ascension Lutheran Church located at 1220 W Magee Road in Tucson. (December is annual Christmas Party). Visitors are <u>VERY</u> welcome. Board Meetings are held at 9:00 a.m. at the Ascension Lutheran Church located at 1220 W Magee Road in Tucson. Check the web site at <u>www.tucsonhamradio.org</u> for dates.

President	Steve Wood, W1SR	W1SR@arrl.net
Vice-President	Mike Peterson K7VTT	azmacguru@gmail.com
Secretary	Carl Foster KB7AZ	carlfoster@cactuscomm.net
Treasurer	Hanna Eckert, KG7TPD	haneck@aol.com
Board Members	Fred Bresani W2HZ	
	Ross Eckert K4WBR	
	Gary Pierce AE7GP	
	Marnee Dearman KG7SI	O
	Tom Ambler W7TRA	

DUES: \$25.00/year (Household members living at same address \$15.00 each additional). To join or for additional information, visit website at http://www.tucsonhamradio.org/.

MARICOPA AMATEUR RADIO ASSOCIATION

The Maricopa Amateur Radio Association (MARA) meets the **FIRST SATURDAY** of each month at 9:00 a.m. at Maricopa PD Community Room, 17985 N Greythorn Dr. in Maricopa.

President	Curt Steger	NA7CS	president@copahams.org
Vice President	Wayne Kropp	KI7SPW	vicepresident@copahams.org
Secretary	Bob Proctor	N6YPE	secretary@copahams.org
Treasurer	George Hogan	K7TGH	treasurer@copahams.org
PIO:	Steve Miller	W6SDM	pio@copahams.org
Webmaster:	David French	N7FAN	david@copahams.org

The Maricopa Amateur Radio Association is a 501(c)(3) non-profit organization. DUES: \$25.00/year individual, \$30.00/year family. Apply on-line at www.copahams.org. Mailing address: P O Box 951, Maricopa, AZ 85139

CENTER FOR AMATEUR RADIO LEARNING

The Center for Amateur Radio Learning is a hands-on amateur radio station, W7ASC, located within the Arizona Science Center at 600 E. Washington, Phoenix. Hours of operation are the same as the Arizona Science Center (subject to availability of volunteers.) The station is located on the third floor of the Science Center, in the "My Digital World" gallery. Board meetings are held the last month of each quarter at the AZ Science Center. An annual meeting for all volunteers is held the **THIRD SATURDAY** of January. Watch ADAW for details.

President	Jack Landon	KD7ROB	480.759.5195
Vice President	Jim Felkey	N7BBS	480.966.7084
Sec./Scheduling	Sam Marshall	N7INV	602.291.0992
Treasurer	Karen McConag	ghy NO7D	602.799.7338
Board Members:	`	<i>.</i>	

Jean Jolkovski W4CIH	ADAW, Publicity
	, , , , , , , , , , , , , , , , , , ,
	Tech/IT, CARL/ASC Interface
Tom Salt AD7PM	At Large
John O'Neal K7JP	Teacher Packets
Bob Burleson KG7QJ	Trustee/President Emeritus
Robert Faerber W9AQ	Log Book
Ronald Taylor WA7GIL	At Large
Scott Gillins W2KP	At Large

Direct Phone: 602.716,2082

Web Site: http://www.w7asc.org Web Master - Allyson Lee For information: Email to carl@w7asc.org or call Jack, KD7ROB at 480.759.5195.

AMATEUR TELEVISION NETWORK

The Arizona chapter of the Amateur Television Network includes amateurs from all over Arizona. Two luncheon meetings are planned each year. The meeting months and locations are announced by the website and newsletter, but generally follow the following schedule: Winter Meeting in January and Summer Meeting in July, both in the Phoenix area. The AZ Chapter meets on the air every Wednesday and Sunday evening at 0700 MST. Join us on https://batc.org.uk/live, go to Repeaters and click on W7ATN, W7ATN-Mesa, or W6ATN. You can see and hear us, and even exchange live chat messages. Please visit our web site at www.atn-tv.org.

President	Ed Olague	K5OLA	602.885.7725
Vice President	Rod Fritz	WB9KMO	805.772.8804
Sec/Treasurer	Lee Weitzel	K0CCU	602.439.4840
Repeater Trustee	Kevin Jacobson	AD7OI	760.898.4601
Webmaster	RolandHoffman	KC6JPG	562.577.1381

ATN-AZ, 4134 W. Danbury Dr. Glendale, AZ 85308. Membership dues are \$75 annually. For more information about our meetings, membership, repeaters and club activities, please see our website http://ATN-TV.org



WEST VALLEY AMATEUR RADIO CLUB

The West Valley Amateur Radio Club, an Arizona 501(c)(3) non-profit corporation, has been providing emergency communications since 1961. Meetings are the **FIRST MONDAY** of each month at 7:00 PM at Shepherd of the Desert Lutheran Church, 11025 N 111th Avenue in Sun City. The board meets at 11115 W Nevada Avenue in Youngtown at 10:00 AM the third Tuesday of the month in June through September and at 2:00 PM October through May. A weekly breakfast is held on Thursdays at Lou's Tivoli Gardens, 12535 W Bell Rd at 7:00 AM. Club nets are held on 147.300 (tone 162.2) at 9:00 AM daily and Monday - Thursday at 8:00 PM. Please check our website (below) for other events and information.

President	Pat Regan	KD7TFD	623.341.7613
Vice-President	Dick Stout	KE7RD	623.815.0985
Secretary	Gloria Putman	KI7SQV	623.238.9963
Treasurer	Alven Brite	N7GVF	623.979.5944
Board Member:	Gary Franklin	K8BKB	269.501.3898
	Joe Fitzgerald	KV2H	623.784.9940
	David Putman	W7DCP	253.307.0544
	Bob Shoemaker	KG6EJW	858.598.7972
Past President	Gary Robin	K6HDU	623.234.2252
Committees:			
Membership	Jim Rogers	N7YTI	623.214.9219
Technical Advisory	Gary Franklin	K8BKB	269.501.3898
Equip Donations	& Sales		
	Gary Franklin	K8BKB	269.501.3898

WVARC, P O Box 1573, Sun City, AZ 85372-1573. DUES: \$15.00/ YR for family residing at the same address. MEMBERSHIP YEAR -January - December. Web Site: http://westvalleyarc.com. Email: suncitywvarc@gmail.com

SUNLIFE AMATEUR RADIO CLUB

The Sunlife Amateur Radio Club meets **EVERY MONDAY** from October through April each year at 10:00 a.m. at the Greenfield Village RV Resort located at 99 South Quinn Circle in Mesa. Meetings are held in a gated community. For access, please contact Jerry Davis, K7AZJ at k7azj@arrl.net.

President	Jerry Davis	K7AZJ	k7azj@arrl.net
Vice President	Sue Rodgers	W7SKH	happyham7777@gmail.com
Secretary	Chuck Rodgers	W7CBR	rogers_charles@hotmail.com
Treasurer	CliffBean	AE7VZ	klyffone@gmail.com

Membership dues are \$10.00/year. If you would like to be a member, visit the website at https://www.sunlifearc.org/

Please be sure your club has your current email and/or mailing address.

ADAW Staff

PUBLISHER/MAN	AGINGEDITOR	
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AARCEDITOR		
Lori Cripps	WA7EDI	602.955.7517
ANSREDITOR		
Steve Miller	W6SDM	602.290.1603
ARAEDITOR		
T D Kennard	N7ISR	n7isr@w7ara.net
ARCCCEDITOR		
Charlie Zurenko	N2TFS	
ATNEDITOR		
Ed Olague	K5OLA	602.885.7725
CADXAEDITOR		
Lee Finkel	KY7M	ars-ky7m@cox.net
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Jean Jolkovski	W4CIH	480.664.7353
KARCEDITOR		
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Bill Farina	KE0WPF	608.301.5544
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TBARCEDITOR		
Andrew Cornwall	KF7CCC	kf7ccc@arrl.net
WVARCEDITOR		
David Putman	W7DCP	253.307.0544
YARCEDITOR		
Don Bauer	WB7TPH	dbauer2250@aol.com
TECHSUPPORT) In the control of t	202 0 12 00 ±0
Mark Kesauer	N7KKQ	602.843.0960
ADAW EMAIL		z.org or adaw@adaw.org
ADAWWEBSITE	www.adaw.o	rg



Public Service Calendar

Maricopa County Emergency Communications Group Events

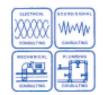
EVENT	LOCATION	DATE
AUXCOMMTraining	Papago Park Military Res.	08/10/19
MCECG Training Class	Maricopa County EOC - Phx	08/17/19
Barnburner Mountain Bike	e Ride	09/07/19
Kendrick Pe	ak (Northwest of Flagstaff)	
Mogollon Monster 100 Mi	ile	09/14/19
Tonto and C	oconino National Forests East	of Pine
Tour De Scottsdale	Scottsdale	10/13/19
Javelina Jundred	Fountain Hills	10/26/19
Cave Creek Cactus Classic	c Cave Creek	11/09/19
Xterra - White Tank	Waddell	01/05/20
Prickly Pedal	TBD	01/18/20
Xterra - McDowell Mtn	Fountain Hills	02/02/20
Mesquite Canyon	Waddell	03/07/20
Crown King	Lake Pleasant-Crown King	03/28/20

To sign up for an MCECG Public Service Event: www.mcecg.net

For information, contact Dennis Bietry - KE7EJF at 602.274.3732 - email, <u>ke7ejf@cox.net</u>, or contact the Event Coordinator for the event.

The <u>Arizona Desert Aire Waves</u> is published monthly and is the official news media of the sponsoring clubs. All news items, articles and inquires should be submitted to each club's editor. Any information and opinions printed herein are those of the contributors and are not necessarily those of the sponsoring clubs. Full permission is granted to quote from this publication providing credit is given to the individual contributor and the ADAW. ALL RIGHTS RESERVED. **Deadline is 10th of the month**

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If anyone is considering a major radio shack, workshop, addition or going into business for yourself, I am offering professional Electrical, Mechanical and Plumbing Engineering services to radio club members at a 20% discount for residential property, and 10% discount for commercial property. Talking is always free.

From The Editor's Desk

Hi all. Hope everyone is staying cool in the excessive heat we're having right now. Sure puts a halt to outdoor activities, doesn't it?

Just heard about a Swap Meet being held in Showlow. If you recall, the annual White Mountain Hamfest (which was held in July last year) was canceled for 2019. Therefore, a group of amateurs decided to organize an impromptu tailgate event. The Swap Meet will be held at the Masonic White River Lodge #62 located at 741 E Whipple Street in Showlow on August 17, 2019. Hours are 8:00 AM until 12:00 noon. It's free to walk-in and tailgate spaces are \$5.00. Talk-In is on 146.76- (pl 162.2). You can email wa7zzt@dmbam.com for more information.

The next Arizona event after Showlow will be the Tucson Fall Hamfest held at the Target Store on Old Spanish Trail in Tucson. Check the Hamfest Calendar on page 12, or the flyer in the flyer file, for all the details.

It is with great sadness that I learned of the passing of Ted Willis, AA7HX. Though I didn't know him well, I had the pleasure of working with Ted through ADAW for several years. He was instrumental in bringing the Tucson Repeater Association to the pages of ADAW and wrote TRA's column from May 2000 through December 2000. Ted kept the Tucson area public service calendar for ADAW updated and the served as Amateur Communications Coordinator for the El Tour de Tucson event through 2010.

Ted served the Tucson area ham community well through his many contributions of time and effort. He will be missed by many. Godspeed, Ted. Rest in Peace.

Schools throughout the state will be back in session in the next week or so - some already are. So, please be watchful when driving and be sure to stop for those school busses.

Stay cool and have a great month!

73, Chris, N7PVL





Silent Key

Henry T. Willis (Ted) AA7HX of Tucson passed away on July 4, 2019 and now is a silent key.

Ted had been the Pima County ARRL Emergency Coordinator (EC), District Emergency Coordinator (DEC) for Pima County and then the ARRL Section Emergency Coordinator (SEC) for Arizona.

He also ran the Pima County - Office of Emergency Management - Emergency Communications Team for a while. He was also a long time ARRL Volunteer examiner (VE) with over 200 sessions recorded.

Not only that, but Ted also ran the Amateur Radio Communications team for the El Tour de Tucson for many years.

Ted was a member and past officer of several clubs including Old Pueblo Radio Club, Radio Society of Tucson, and the Border Area Radio Team (BART). Ted owned and operated a repeater 146.66 MHz in Tucson.

A service for Ted was held on Saturday, July 13, 2019 at the Journey Church in Tucson, AZ.

Tom K7DF



For Sale / Wanted



LOOK!
Great Deals!

For Sale -

Steppir 3-Element Antenna with optional 40M - 30M Dipole (Trombone) Kit. Also with 6M passive element, SDA 100 with D25 splice, and plug in connector junction box (pipebomb upgrade). Excellent Condition - \$2,000.00

Contact Bob Drake AF7EL at 623.385.6531 or email af7el@yahoo.com

The **West Valley Amateur Radio Club** has radios and ALL kinds of supplies available for sale through the club. We get some old equipment that won't sell that will be added to the items for free. Contact: Ken Jenkins, WB6MMV at <u>kjenkins5623@gmail.com</u> or Bob Kettler WA6MIO at <u>rdkettler@msn.com</u>.



AMATEUR RADIO SERVICE DEMONSTRATION STATION

HAM RADIO QUIZ



This portrait is currently on display in the White House, Washington, D.C. Who is it, and what is the connection to Ham radio? Send your answers to: jeanjol@hotmail.com. Answers will be accepted until 1700 MST on August 31. The first correct answer will be declared the winner and that winner will be announced in the September ADAW. If no correct answer is received (unlikely) there will be a HUGE hint in the newsletter and the quiz will remain open. This quiz is open to all licensed Hams, except for those W7ASC volunteers who have been provided with the answer. Good luck!

Field Day 2019 is now history and we did fairly well at W7ASC. The station was, technically, not out in "The Field" but contacts were made with those who were operating off the grid. There were many visitors who came to the Science Center to see the Mummies, to visit the Planetarium or to simply just look around. The primary goal at W7ASC was to explain to the visitors why we have a Field Day, and why the visitors should recognize the public service aspects of Ham radio. Which brings us to a message that should resonate (pun?) with every Ham.

The general public knows very little about Ham radio and they really have no interest in understanding why there are people who still use radio! With cell phones and the internet, isn't Ham radio obsolete? There are still many well-educated people who believe that Ham radio and CB are identical. The mission, in part, at W7ASC, is to correct those uniformed views. But why bother?

When our elected officials address a legislative initiative that includes a matter that touches Ham radio, There is not much enthusiasm for taking a position that benefits the Ham community. That attitude will probably never change, no

CARL Continued from Previous Column

matter how may new Hams join our ranks. What we really need is a chorus of support from members of the community that we serve!

Let the legislators hear from a large number of voters who benefit from our efforts and the attitude among the law makers will change. Letters that express our own wishes, ignored as "self serving," are not really worth the effort. This is a point upon which this scribe takes serious issue with the ARRL when they send a draft form letter and urge us all to send it into our representative or council member. That is hardly a winning strategy.

That is why we all need to turn Field Day into a PR opportunity, reaching out to non-Ham citizens so that we can demonstrate, and explain, that we really do, as our license says, "Serve." Make friends with the media so that we can be recognized for what we do and why the average citizen voter should make certain that we are recognized and supported with expressions of support. Make it clear that we are not asking for funding! We cannot be paid for our services! The average visitor to W7ASC is really surprised to hear that.

The ARRL generates really great material, but most of it is intended for the Ham. Somehow we need to improve the image that we project to the non-Ham!

Thanks for allowing this scribe to do a bit of lecturing. Notes to this editor, on this or other topics, would be appreciated.

Want to consider helping to spread the word about just what Ham Radio does for the public by volunteering? Go to the W7ASC web site, W7ASC.org, find and complete an application, or visit the station in person. The direct line for the Shack is 602-716-2082

73 de W4CIH 480-664-7353 jeanjol@hotmail.com







CHAPTER 16 BARRYM. GOLDWATER ARIZONA CHAPTER

Amateurs in Arizona with twenty five years of experience are invited to join the QCWA. There are monthly meetings in various parts of Arizona

Phoenix, AZ

Third Wednesday of each month at 9:30 AM Iron Works Food and Spirits 17233 N 45th Ave. Glendale, AZ 85308 602-843-0909

Contact: John L Marshall WA7BSR@gmail.com

Prescott, AZ

Second Tuesday of the month at 10.30 AM Golden Corral 1901 E AZ-69 Prescott, AZ 86302 928-776-1664

Contact: Don Broadston

Tucson, AZ

We need a volunteer to set up monthly meetings in Tucson.

Officers are:

(All officer positions are open for volunteers.) President: John Marshall WA7BSR 623-334-2583

Vice President: Open Secretary: Open

Treasurer: Dave Hanson W7BJw7bj@outlook.com

Webmaster: John Marshall WA7BSR WA7BSR@gmail.com

Web Site: http://azqcwa.org Email:azqcwa@gmail.com. DUES: \$7.00/year and current national QCWA membership.



It is hard to believe that July 21st marked 50 years since Apollo 11's Lunar Module, "Eagle," landed on the Earth Moon's Sea of Tranquility and Neil Armstrong, with Buzz Aldrin, took their first steps on the lunar surface. Armstrong described the event as "one small step for man, one giant leap for mankind." As I reflect back on this mission, it showed true innovation and influence in the years to follow, including the technology we take for granted today.

Neil Armstrong was a strong innovator and was known for his problem-solving ability. I never realized the Sea of Tranquility was not the original destination. When the lunar module had an issue on the moon landing, it was the quick thinking of Armstrong to pick a new site before they ran out of fuel.

Many Hams are also problem solvers and demonstrate regularly their ability to adapt to the unknowns of the situation at hand. The ARA has also been in place since 1968. Through the foresight of its leadership and the innovation of the members, the association has grown to 15 sites and support public service for nine months out of the year. The ARA is also looking for ways to strengthen Amateur Radio within the state. This includes the ARA's support of the ARRL and ARCA.

I have mentioned previously, that the ARA is undergoing a rewrite of their Articles of Incorporation and Bylaws. We realized this would require the investment of time by several people, but we underestimate the amount of time it would actually require. The Bylaws Committee has done a great job in eliminating duplication, clarifying language, and closing gaps. The team has been led by James Wasson N7ELL, with the help of Troy Campbell N7KWY, Joe Bakas KE7WHE, TD Kennard N7ISR, Clark Jones KI7TU, and Jim Pierce N7QVW.

The Bylaws are currently being reviewed with the board. Once the board approves, they will be published to the Membership for review in September and will be on the ballot later this year.

Although many of us are radio geeks, The Arizona Hams always show their innovation and problem solving in everything they do. The Tech and Public Service committee are great examples. I would encourage you to be involved with the Hobby and the ARA. We have open Tech and Board meetings on the first Thursday of the month. The General Meeting meets on the fourth Thursday and provides some great education or sharing from the hobby. Check us out on the web at www.w7ara.org.



The Arizona Amateur Radio Club – W7IO – set up for this year's ARRL Field Day at the American Red Cross building at 4747 N. 22nd St. in Phoenix. Preparations began Friday evening and continued on Saturday morning.

Ingrid Geissler, W7ISG and Reinhard Geissler, K7RGG attended a Mass Care Meeting (Basics of Deployment) event from 8:00 AM until noon. Lindsay Mathieson, the Disaster Program Manager, American Red Cross of Greater Phoenix, discussed the basics of deploying on a Disaster Relief Operation with the Red Cross either locally, regionally, or nationally. She emphasized that the Ham Radio operators were having a radio-communications exercise this weekend and that the group was going to be on site for the 24-hour event. After the meeting, Ingrid and Reinhard encouraged the volunteers to come over and see what the AARC was doing with regard to emergency communication.

While on the radio, Ingrid turned the microphone over to a visitor, Charlie, who will be taking his HAM test shortly. Charlie's first time on the radio was an exciting experience,

and he was very appreciative of having a chance to get on the air. Another visitor came over and did the logging so that Charlie could concentrate on the radio. Gary Hamman, K7GH conducted his Sunday morning RACES net as Lori Cripps, WA7EDI and Peter Petrotta, KD7OIW listened.

The Field Day was a lot of fun and, as usual, there was more than enough food. Mark Steel, KI7RB made his award-winning chili on Friday night, and Charlie Zurenko, N2TFS again baked his famous cheesecake for dessert. Lori supplemented the meal with her taco salad.

Saturday, there were brats and hamburgers with Reinhard, K7RGG at the grill, along with potato salad. Pasta salad was contributed by Charlie Zurenko, and let us not forget the chips. For Sunday morning breakfast, Ingrid made a surprise batch of Strawberry Waffles, and Reinhard fried eggs to order along with a big heap of bacon.

We didn't take pictures of the night owls that were operating the radios, but we did photograph Steve Tolnai, W7WSV our CW operator.



The AARC / ARCCC Field Day Crew



10



Have you ever thought about working DX via satellites? There is DX to be had utilizing this mode of operation, among other things. Come hear about what you can do to join satellite DXers. All you need is a Technician license.

Patrick Stoddard, WD9EWK/VA7EWK, was originally licensed in 1977. He holds an Amateur Extra license in the USA, and a Canadian license with all three qualifications (Basic, Advanced, Morse). Among other facets of amateur radio, he has worked satellites from over 100 grid locators in locations across the USA, Canada, Mexico, and Australia over the past decade with portable and QRP equipment. He is a Life Member of the ARRL and AMSAT, and a member of the Central Arizona DX Association (among other radio clubs and organizations).

Patrick has achieved WAS and VUCC via satellite; along with WAS, WAC, and DXCC on the HF bands. Patrick has been an I.T. professional for over two decades.

Our July meeting had an excellent presentation by Mickey, K5ML, about DXing from a suburban lot subject to the rules and regulations of an active Homeowner's Association (HOA). As always, Mickey was entertaining and informative. He recounted the many legal challenges he had to overcome with his HOA and neighbors from which he emerged not only victorious, but with a stealth antenna system for DXing that many non-HOA hams would be pleased to own and operate.

Our next meeting will be Thursday, August 1, at the PERA Club (One East Continental Drive in Tempe). Join the informal social hour at 6:30. The meeting will start at 7:00. See you there.

73, Larry Loen, WO7R CADXA President



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MARCA INC.

MARCA amateur radio club participated in ARRL's 2019 Field Day event. The location for our site was Gentry Campground, approximately five miles southwest of Heber, AZ. Participants numbered 12. Several visitors traveled to the site to observe amateur radio in action. Club members assisted one new ham and one potential ham in making their first contacts. MARCA operated 80, 40, 20, and 15 meters on CW and sideband; a six-meter station operated FT8, and the club's set-up included a satellite station. Our antenna array included dipoles among pine trees; windy conditions Friday afternoon made it difficult to launch antennas using the air cannon, but, by 11:00 a.m. on Saturday, all antennas were up and the club was on the air. Batteries and solar panels powered our Field Day radios and computers.

The club provided pancake/sausage/egg breakfasts for members and guests both Saturday and Sunday mornings, and everyone on hand enjoyed a pulled pork/potato salad/baked beans dinner Saturday evening. —Sundown and early morning's cooler temperatures had some racing for their jackets.

—Don W. Aldridge, WA7RLL MARCA Field Day Coordinator and Go-fer





Hamfest Calendar

28 September 2019 - Tucson Fall Hamfest - hosted by the Radio Society of Tucson will be held at the Target Store, 9615 E Old Spanish Trail in Tucson. Hours - 7:00 AM - 11:00 AM. Seller Set Up 6:00 AM. Free Admission and Buyer Parking. Tailgate Spaces \$10 per Parking Space. Free VE Testing at 9:00 AM - GOTA Station - QSL Card Checking - Prizes. Snacks & Beverages Available for Purchase. No Alcohol, Drugs, or Firearms. Talk-In Frequency 146.800 FM Tone 156.7. For Information & Map, visit http://www.k7rst.org

5 October 2019 - **Tonto ARA Hamfest** - hosted by the Tonto Amateur Radio Association will be held at Rumsey Park, Ramada #4, 400 N McLane Road in Payson. Hours 9:00 AM - 12:00 Noon. Tailgating is \$5.00 and Vendors are \$5.00 per table. Admission is Free. A Potluck/BBQ Will Follow - Bring Your Own Meat & Something to Share. A Hot Grill and Condiments will be Provided. Everyone is Invited! To Pre-Register of for Additional Information Call or Email: Bruce Johnson, N7DDT at 928.474.4154 - stretch8@q.com

26 October 2019 - Copafest 2019 - hosted by the Maricopa Amateur Radio Association will be held at the UltraStar at Ak-Chin Circle, 16000 N Maricopa Road in Maricopa. Hours are 7:00 AM until 1:00 PM. Admission Donation is \$5.00 per person. Spaces are \$10.00 for two parking spaces. Setup begins at 5:00 AM. Balloon Launch, VE Testing, Card Checking, Vendor Exhibits, Seminars, Prizes and more. Many activities available in the Multitainment Center including laser tag, bowling, movies, games, dining and more. Dining and Hotel also available. For information, email fest@copafest.org or visit the website at www.copafest.org.

2 November 2019 - HARKfest - hosted by the Hassayampa Amateur Radio Klub will be held at North Ranch Escapees RV Park, 30625 S Hwy 89 in Congress. ARRL Card Checking, Free Admission, Free Tailgate Sites (Pre-Registration is Required. Email: bridges.slt@gmail.com) Overnight Camping (Full Hook-Up or Dry) is Available (Pre-Registration is required for camping northranch@escapees.com) Tailgating permitted at campsite. Free VE Testing via LARC VE testing - Must Pre-register via email to cecarter39@yahoo.com - Prizes - Arts & Crafts Show at the Activity Center 9:00 AM - 2:00 PM. Lunch will be served at the Activity Center. Talk-In 146.620 (pl 162.2) or 146.580 (simplex) Visit the web site at harkaz.org for up-to-date information. Questions? Email Duane Grooms, KD0KYK at djgrooms@yahoo.com



Continued Next Column

Announcing the Laurel VE Team, KARC, Test Session

The Laurel VE Team, KARC, will be conducting testing on 3 August 2019 at 9:00 AM at Solterra Senior Living located at 5408 Arizona Highway 260 in Lakeside, Arizona. Walk-Ins are permitted, however, pre-registration is preferred. You can email the team at WEtesting@cableone.net to pre-register. Please include your name (the exact name used to create your FRN, if you have an FRN), license call (if you have one), and which license exam you wish to take. An acknowledgement will be emailed back to you.

At the test session, the following will be required: A government issued photo ID, your FCC Registration Number (FRN) if you have one **OR** your social security number, the original and a copy of any passed exam element credit (CSCE), and a copy of your current license if upgrading.

The test session begins at 9:00 AM.



Continued from Previous Column

9 November 2019 - Oro Valley ARC Hamfest - hosted by the Oro Valley Amateur Radio Club will be held at Marana Middle School, 11285 West Grier Rd in Marana. Gates open at 7:00 AM, closes at 1:00 PM. Admission is \$5.00 which includes a bottle of water. Children under 12 with a paid adult and students with any Arizona school ID are free. Sellers spaces are \$10.00 per space and includes seller's admission. Indoor VE Session with pre-registration preferred, but not required. Send an email to pre-register (email licensing@tucsonhamradio.org). Interesting Seminars - ARRL Card Checking and LOTW Assistance at ARRL Booth - Food Breakfast Truck for and Lunch. Contact hamfest@tucsonhamradio.org for more information. Visit the websit at www.tucsonhamradio.org.

7 December 2019 - Superstition Superfest - hosted by the Supersition Amateur Radio Club will be held at Mesa Community College, 1833 W Southern Ave in Mesa. Hours are 8:00 AM - 4:00 PM. Admission is \$5.00/person (includes 1 door prize ticket) and children 12 and under free. Tailgate is \$10.00 for 2 spaces which includes 2 paid admissions tickets. VE Testing will be available. Registration is from 8:00 to 9:00 AM with testing beginning at 9:00 AM. ARRL Card Checking, Special Event Station, GOTA Station, Fox Hunt, Prizes, Live Music, and Food Vendor will be available. Contact the Hamfest Chairman at chairman@superstitionsuperfest.org for more information.



Field Day Wrap-up

As I write this, Israel is hard at work figuring out our Field Day scores. FT-8 was a game changer for 6m, and had a strong presence on 20m and 40m as well. The food and camaraderie were truly enjoyable. It does look as if we snagged several of the bonus categories - we got the message off to our section emergency coordinator. Jack and Andrew both presented educational material. Jack's presentation even included the bright flash of a Cadweld for those who were there on Sunday! We operated 4E this year, used generator and solar power, had visits from an alderman, the sheriff and a couple deputies. We missed out on the Safety Officer and Youth Participation. If you know how to get either of those bonuses, I know you'll get the attention of a number of people. It's not a contest, but we still want to come out ahead!



Delicious BBQ



Jack

TBARC wins AZ QSO Party 2018

A while back we got the good news from Bill Clark, K6WSC that TBARC placed first in our category (multi-op unlimited TX) for the AZ QSO Party. On Field Day, the plaque was on display. Thanks to all the operators who enjoyed operating that October weekend - and congratulations on your accomplishment! If you weren't there, why not thinking about joining this intrepid crew? All you need to do is sign up, show up, and operate a radio.

TBARC Continued from Previous Column



Arizona Q50 Plaque

General Class

By the time you read this, plans for the General class should be in full swing. As of today, we're still not sure about times and locations. Check the club website, w7tbc.org, for more details. If you've been thinking about buying a shiny new HF radio and need an excuse - or just need a boost from the expert instructors - get in touch with Ken at course@w7tbc.org to sign up. You don't need to be a club member - although we'd be happy to have you! We'd love to see you in the classroom, and then hear you on 40m!

Membership Discount

If you're not already a club member, now might be the time to join! As long as you haven't previously been a member, there's a discount on membership: it goes down to \$13 for the six months left in the year. If that's in your price range, we hope we'll see your name on the roster!

August Presentation

Have you been to a TBARC meeting yet? Why not stop by? We'd love to have you join us, and guests are welcome. Our meetings are held on the third Thursday of the month at the North Phoenix Campus of Northern Arizona University. It's near Greenway and I-17, starting at around 7:00 p.m. See the club website at w7tbc.org for directions. August's presentation will be

"Tangerine: the New TAPR SDR Radio" by Scotty Cowling WA2DFI. How does this relate to

the Hermes? Does this mean it's time to sell your Flex? Join us and find out!

Andrew Cornwall KF7CCC kf7ccc@arrl.net



License Testing Information

When you are ready to take an exam for an Amateur Radio license, there are Volunteer Examiners available to assist you. Each Applicant will need to bring a picture ID (some test sessions require two forms of identification). If you are upgrading your class of license, be sure to bring the original (and a copy) of your license and/or Certificate of Successful Completion of Examination (C.S.C.E.). There may be a fee required.

PLEASE NOTE: Dates, times, locations, fees may change. Arrive promptly at time listed. Fees may vary and exact change or check is required at most sessions. Call test session contact to confirm information. Walk-ins are permitted unless otherwise specified.

AugustTest Sessions

Aug 1st - CARBA -- 7:00 PM

Lighthouse YMCA, 2900 N Columbus Blvd, Tucson
Contact - Matthew Grossman 520.462.0448

Pre-Reg by email preferred - veregistration@ac7il.org

Aug 3rd - Green Valley ARC -- 9:00 AM
Pima County SAV Bldg,601 N La Canada Dr, Green Valley
Contact - Earle Cate 303.898.9471

Aug 3rd - DeVry ARC & WVARC -- 9:00 AM
DeVry University Library, 2149 W Dunlap Ave, Phoenix
Contact - David Morrill 623.680.5011

Aug 3rd - Oro Valley ARC -- 10:30 AM
Ascension Lutheran Church, 1220 W Magee Rd, Tucson
Contact - Quinton Gleason licensing@tucsonhamradio.org

Aug 3rd - Laurel VE Team, KARC -- 9:00 AM
Solterra Senior Living, 5408 Arizona Highway 260, Lakeside
Contact - Vince Cattolica

Pre-Registration Preferred

VEtesting@cableone.net

Aug 12th - West Valley ARC -- 6:00 PM
Shepherd of the Desert Lutheran Church, 11025 N 111th Ave,
Walton Hall, Sun City
Contact - David Morrill
No Walk-Ins - Call Ahead

Aug 12th - East Valley VE Team -- 6:00 PM City of Mesa Utilities, 640 N Mesa Dr, Mesa Contact - Fred Bolinger 480.242.8606

Aug 12th - Radio Society of Tucson -- 7:00 PM
Hardesty Mid-Town Police Bldg, 1100 S Alvernon, Tucson
Contact-Diane Zimmerman 520.664.5070

Aug 20th - Motorola ARC of Arizona -- 5:00 PM
Denny's Restaurant, 825 S 48th St, Tempe,
Contact - Edward Olague 602.885.7725
Pre-Registration Required

Aug 21st - Thunderbird ARC -- 6:00 PM

Honor Health Medical Office Bldg, 19841 N 27th Ave, Phoenix

Contact - Brian McCarthy

623.486.0507

Aug 25th - Arizona ARC -- 7:00 PM
American Red Cross, 4747 N 22nd St, Phoenix
Contact - Gary Hamman 602.996.8148
No Walk-Ins - Pre-Register by Saturday Before







President's Corner

Steve, KB7KWK

Hello everyone. I hope you are all staying cool. Well, the club had a very good Field Day this year. In fact, I believe it was the biggest the club has ever had as far as attendance and contacts made. We had around 45 people up at Lost Eden and we made around 600 contacts.

I arrived at the location on Thursday morning around 11:30 and was the first one there. I was all alone for about five hours. The temperature was around 72 degrees and the wind was blowing. It was great. I spent some time picking out where I would like the club station and booth to be and then I started unpacking all my camping gear.

As late afternoon came, Charlie, NJ7V and Brian, W7JET arrived and began setting up their camps. A little while later a few more people showed up. By Saturday Morning almost everyone was there.

We still had our share of problems this year. We had some lost keys, a lost dog, and a few break downs on the way home. Yes, once again my truck broke down. Last year my wife's truck broke down on the way up costing several thousand dollars to repair. Not as bad this time. I did not blow the engine; just had a stuck thermostat and we lost a wheel bearing on the camp trailer. Rod ended up with a flat tire near Mount Ord. This was the best Field Day ever in spite of a few problems.

I want to thank Jeff, K2DFE and Dan, KC7MSU for putting together a wonderful event. I would also like to thank our newest and youngest club member, 13-year-old Nari and his family for joining us. I think Nari had a blast, learning a bit more about ham radio and the fellowship we all had. Everyone was great helping him out. He even made a few contacts to boot.

I am not going to write any more about Field Day here in the Presidents Corner. Take a look at the rest of the Newsletter to see Jeff's article on Field Day.

I hope to see all of you at the next club meeting. 73 for now!

Field Day Report Highlights

This year's Field Day in June had the club setting up six networked laptop computers running N1MM contest logging software and a CDMA cell phone repeater to obtain cellular coverage at its Lost Eden Field Day site, 130 miles north of the valley and 6700 feet up in the cool pines.

We did not pursue this activity as a contesting club might; instead, we had plenty of General through Extra licensees who

Superstition Continued from Previous Column

could supervise as Control Operator, while unlicensed and under-licensed folks could get in some first-time voice contacts on 20 and 40 meters. Doesn't mean we didn't rack up some points as K7K, running "Four Alpha Alpha Zulu." We had a Central Command to ensure that all eleven stations were activated four-at-a-time, and everyone made contacts.

As I understand it, we even used a COW for an antenna. How many livestock did we make contact with!? Jeff, K2DFE, wrote a three-page article in our newsletter, and you can learn more about the COW, an acronym for "Cellular On Wheels," if you visit the Superstition ARC (.org) site and look up the July club newsletter we call the Communicator.

I just don't have room here to write about it and three paragraphs do no justice to the full article and pictures!

June Meeting Drawing Winners

We sell tickets during the meeting for \$1 each (6 for \$5) and for \$5 each (5 for \$20) for your chances to walk out of here carrying a prize, like these two lucky winners did!



Congrats to KD7ODB Brent Woffinden for winning this 20-meter Double Bazooka for \$5! A double bazooka is a very quiet dipole, compared to the standard wire dipole antenna.

Congrats to \$1 winner, K7ABG Glenn Yeager, pair of Retevis programmed UHF HTs.



Tuesday, August 20 General Meeting at 7:00 PM

The presentation by Derek Rutz, K7NZ will discuss the digital voice communication mode called C4FM, Yaesu's digital technology we call Fusion. While writing this, I saw a

Superstition Continued from Page 15

fifteen-minute YouTube video by Yaesu for some background information on C4FM. It is called "Yaesu System Fusion Introduction," presented by GigaParts, Inc.

Our three repeaters are Yaesu Fusion units, capable of operation on VHF or UHF. So, in a pinch, we can take one functioning repeater offline and replace either of the remaining two with some reprogramming while a unit needs bench work. The linked repeaters are operated only on analog FM because the links support only FM.

For the mid-meeting intermission break, we have Tasty Jelly Doughnuts & Coffee for Refreshment!

We are raffling prizes once again at the meetings, with \$1 and \$5 tickets drawn this evening. Our SuperFest committee will also be present to sell tickets for our Main Prize drawing in December. Visitors are always welcome. Our meeting location is found on page 3 of this ADAW.

73 from Larry Kuck, WB7C for Superstition ARC's portion of ADAW



Superstition ARC Repeaters

147.120 MHz (+) 162.2 Hz - Usery * **448.275 MHz** (-) 100.0 Hz - Usery - FUSION **449.600 MHz** (-) 100.0 Hz - East Mesa * **KB7KWK-L** Echolink Node 538499 *

* - Linked Full Time

Club Nets

Morning Drive Time Net: Mon-Fri, 7:00-8:00 AM - Trivia **City of Mesa CERT Team Monthly Net:** First Tuesday of month, 7:00 PM

Weekly 6 Meter Sideband Net: Wednesdays, 7:00 PM on 50.140 MHz, W7ASL-L EchoLink, and 145.575 FM Simplex **Club Net:** Wednesdays, 8:00 PM - Discussion, Elmer Q&A. **Mesh Information Net:** Thursdays, 7:00 PM - Net control Steve, KB7KWK

10-Meter Rag Chew: Thursdays, 8:00 PM, 28.465 MHz USB

Club Membership is open to anyone with an interest in Amateur Radio. Visit: https://superstitionarc.org for more information.

Superstition SuperFest

The Superstition SuperFest is held on the first Saturday of December. Visit www.superstitionsuperfest.org for the latest information.



Hi everyone from Bob Sitterley, K7POF.

The 442.150 Repeater on Mingus is now a Yaesu Fusion repeater. If you go in with a Fusion signal it will come out a Fusion signal. If you only have a standard FM radio it will come out as standard FM. In order to not hear the digital noise on your regular FM radio, set your tone squelch to 100 Hertz and your squelch won't open unless there is a regular FM signal present.

The following is from Tom N7MMC

Bob, K7POF, and I went up the mountain to work on the Fusion repeater last month. Upon arriving we found a bat on a ledge above the door to the battery building. I now call it the bat room! Then later on the way to Bob's truck I almost stepped on a rattle snake. It didn't rattle at me but it definitely startled me. See pictures below. 73, Tom, N7MMC



MMRG dues were due at the end of June. Please remit your \$20.00 to MMRG Treasurer, Bob Sitterley, K7POF, 171 Caliche Drive, Chino Valley, AZ 86323. Please attach a note with remittance stating your call or just put it on your check. Stay cool. 73, Bob, K7POF.



Field Day 2019 is in the books. In summary, it was another successful Field Day for OVARC.

Many thanks go to Tom – W8TK for hosting the event and allowing members to operate at his QTH. With a host of antennas, we operated on several bands as long as conditions allowed. As usual, Saturday was topped off with an OVARC potluck dinner.

Special recognition goes out to the following: Chuck, KB7OGE who has been our official greeter and OVARC ambassador for the Field Day event. I can't recall how many years Chuck has done this, but I'm sure he does.

Roger – K7ROG, Rick – W7RMM, and Paul – K7AZT were there for many hours from set up to tear down. Thank you Roger, Rick, and Paul for your leadership and muscle.

I will, without a doubt, forget to mention someone, but know that all efforts were appreciated and I hope everyone had an enjoyable and fun 2019 Field Day. Thanks to Fred, Gabor, Ron, John, Dee, Quinton, and Ken for tugging and pulling on the lines during the antenna set up. Thank you to all of the operators and members that stopped in just to enjoy some Field Day comradery. Thank you to Hanna, Ross, and Bev for their works on this event.

Welcome to our newest member of OVARC, KJ7GLY. Shortly after passing his test, we discovered that Keegan did not have a radio to use on the air. Thanks to the generosity of an OVARC member, a Yaesu FT-70 along with several accessories was donated to Keegan to get him started. Keegan even made it to his first Field Day this year. Congratulations Keegan.

73, Steve











As we enter the dog days of summer, Sunlife ARC continues it's summer schedule. We have been combining our weekly meetings with the meetings of Venture Out ARC and will continue to meet every Saturday morning at 10:00. To attend a meeting, simply go to Venture Out RV Resort located at 5001 E Main St, Mesa, AZ 85205 and tell the guard that you are going to the ham radio meeting and you will be given directions.

We continue to host Amateur Radio in the Park every Thursday morning in East Mesa, off Power and Brown at Red Mountain Park. Enter through the North entrance and we will be to the right in one of the center ramadas. The time varies, but people are generally showing up by 7:00am.

A group of Hams from our club meet on Thursday afternoons at the Red Mountain Library throughout the year and is currently meeting at 1:00 in the Roadrunner room of the library. This meeting is for those interested in all things ancillary to amateur radio such as Raspberry Pi, Arduino, 3D Printing and whatever else crops up. Anyone is welcome to attend.

During the winter season, the Sunlife ARC meets every Monday morning at Greenfield Village RV Park in East Mesa from the first Monday in October until the last Monday in April.

Our meetings feature presentations on various amateur radio activities including Quartzfest, Dayton Hamvention, AMSAT, operating 60m triband, Collins Radio during WWII, digital modes, radio homebrews, and loads of other topics. Earlier in the season, Gordon West came in and made a presentation and in March, a number of our members completed a road trip to the Titan Missile Museum in Sahuarita where they hooked up to the museum's discone antenna for some great QSOs.

We partner with Venture Out Amateur Radio Club for many of our activities and have a combined Christmas party, a snowbird field day, fox hunts, amateur radio examination training and during the summer months we stay active by sharing their Saturday morning meetings. We work well together and are grateful that the Venture Out ARC makes up for our shortcomings.

Don't forget our nets. They are listed below.

Nets:

20 Meter Net: Monday, Wednesday, & Friday, 14.329 MHz SSB 12:30 p.m./11:30 a.m. during daylight-saving time. 10 Meter Net: Tuesday and Thursday, 7:00 p.m./8:00 a.m.

Continued Next Column

The Kachina Amateur Radio Club meets the second Tuesday of each month at Solterra in the White Mountains, 5408 W. White Mountain Blvd., in Show Low. The August meeting will take place on August 13, 2019. The doors open at 6:00 p.m., and the meeting begins at 6:30 p.m.

LOOKING BACK: The June 22nd Field Day at Woodland Lake Park in Pinetop-Lakeside was wonderful! The weather was perfect, the venue was beautiful, the air waves were friendly, and the lunch was terrific! We had some people from the community stop by to find out about Ham Radio, and some fellow Hams from outside the community stop by to say hello. A great time was had by all!

The Kachina Amateur Radio Club of Show Low, AZ, presents an excellent presentation at each meeting. The July presentation was entitled, "Propagation: Revealing One of the Great Secrets of Ham Radio." You won't want to miss another great presentation in August.

Our recurring calendar events are: We meet the second Saturday of each month at 9:00 a.m. for donuts at Basha's in Taylor, AZ. We also meet the 3rd Saturday of each month for breakfast, at Sal and Teresa's Mexican Restaurant on Deuce of Clubs in Show Low. We enjoy sharing our common interests in eating delicious food and having fun together!

Visit our website at www.kachinaarc.org for more information.

Submitted by Lydiann McFadden

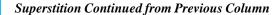


SunLife Continued from Previous Column

during daylight-saving time. 28.329 MHz, SSB. Check in using Echolink Node, W7ASL-L Nick, AA7QK provides this service and will assist you.

Venture Out 2 Meter Net: Monday, Wednesday, & Friday, 1:00 p.m., 146.58 MHz FM simplex. 12:30 p.m.

Our meetings are held in a gated community. If you would like directions and access, please contact Jerry Davis, K7AZJ at k7azi@arrl.net. If you choose to become a club member, our annual dues are \$10.00. Our website address is https:// www.sunlifearc.org/





Our group is getting ready for our summer BBQ at Rod Fritz WB9KMO's QTH in East Mesa. Rod will be showing the Mesa ATV repeater and the new link system under construction to link to both Mt. Lemmon and White Tank.

The old direct link between Mt. Lemmon and White Tank was over 124 miles. The point to point link was on 2417.5 MHz FM TX at White Tank and RX at Lemmon. The 2417 MHz link provided a good signal. Going the other way, White Tank used the 8' dual band dish to pick up the output of Mt. Lemmon's main VSB analog transmitter and signals were in the P3 to P4 range.

After Rod moved to Mesa from California, he put up an ATV repeater. He is able to pick up Mt. Lemmon ATV repeater snow free with a 24-element Loop Yagi snow free. He is much closer to Lemmon at about 80 miles to the southeast. White Tank is about 51 miles to the west and Rod received it snow free. Awhile back we added a 5910-MHz FM transmitter to White Tank to provide a better FM link to the Mesa repeater as well as an FM output option for members to look at directly.

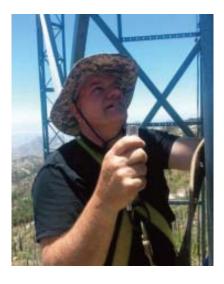
About two months ago we received word that the site owner was planning on charging added rent for our 8-ft dish. With that in mind as well as the better signals Rod gets at his QTH, we decided to pull the old direct long distance link for a link via Rods QTH. The 5712.5 MHz transmitter at Rod's QTH and receiver at White Tank was already there to link the Mesa repeater. All we needed to do was patch in the 1277.25 MHz receiver to pick up Mt. Lemmon and one side of the link would be finished and this time with a snow free picture.

To complete the link, we add the 2417.5 MHz link we took down from White Tanks and add a dish toward Mt. Lemmon. Connect up a 5910-MHz FM link receiver at Rods QTH to pick up White Tanks instead of using the existing 1253.25 MHz receiver at Rod's QTH and connect the 5910 MHz receiver to the 2417.5 MHz transmitter and we are back in business with a full two-way link. As an added bonus, Mesa ATV repeater will have a direct link to Mt. Lemmon as well as the existing direct link to White Tank. The hardest part will be a tower climb at Mt. Lemmon to rotate the 4 ft. link dish about 20 degrees to the east to aim it at Rod's QTH. The link dish is 110 ft up the tower as seen below.

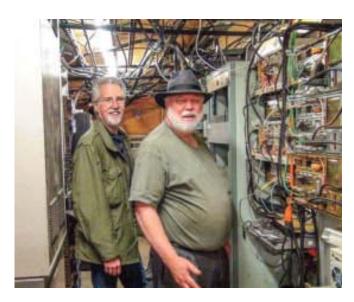
VIDEO OUTPUT 1253.25 MHz VSB

VOICE 448.400- (100.0 Hz) VIDEO INPUT 434.000 MHz VSB 434.000 MHz DVB-T 2441.5 MHz FM

Continued Next Column



Mike Collis WA6SVT at 100 ft nearing the link dish



Kevin Jacobson AD7OI (L) & Rod Fritz WB9KMO at White Tank.



Real Estate

Are you or someone you know looking for a Ham Home? I can help you find a home with a tower or one where a tower can be added. Call or email me to get started.

Richard Haworth W7MDQ Coldwell Banker Residential Brokerage 602-370-1450 Cell, <u>rahaworth@cox.net</u>

No Reports Received



Old Pueblo Radio Club INTERMOD

President's Column

SARC CONSTANTS:

SARC is a 501 (c)(3) club. That means all donations are fully tax deductible. Contact Paul Finell W7EFQ at 602.741.6563 for information on estate donations and equipment pick-up.

For membership information, call Ed Nickerson, WU7S at 480.949.5162. Please send address change requests to Judy no later than the 7th of the month in which you would like the change to occur.

OPRC Repeaters

146.66 - PL 110.9 widecoverage W7GV

RACES Repeaters

145.150	packet/wide	N7OEM
146.880 - PL 110.9	widecoverage	N7OEM
448.55 - PL 110.9	widecoverage	N7OEM

ADAW



ADAW



4747 N 22nd St. - Suite 100 - Phoenix, AZ 85016 VHF – 146.84 MHz – PL 162.2 / UHF – 446.900 MHz – PL 131.8 Echolink Node #731289 – K7ARC-R











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Manager Mike (KB6VHF) and Laura (KB6UHF) are moving to DENVER where Mike will take the helm at the HRO Denver store! Thank you for the warm reception you all gave us 2 years ago & for your continued loyalty. Please be sure to welcome the new manager, RON, the next time you are in the store. 73s, Mike and Laura

Now serving you at our Phoenix store: Manager Ron AJ7T, Steve W7QY, Mike K7DD, Jim K7EOG, Jim KE7EEU, Richard K1RAB, and Bob W8RH.